

20010225.ba v03_n114.bam.20010225

>From ???@??? Sun Feb 25 21:21:41 2001 -0600
Date: Sun, 25 Feb 2001 21:19:24 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3114
Message-Id: <20010226043120.6C1C54B5A@devel43.theporch.com>

BOATANCHORS Digest 3114

Topics covered in this issue include:

- 1) Re: Transcontinental Chirp Tonight!
by Bruce Muscolino <w6toy@erols.com>
- 2) Re: Transcontinental Chirp Tonight!
by michael m oxenreider <wb3ctc@juno.com>
- 3) FS: LP-5 POWER SUPPLY
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 4) "Ultimate Transmatch"
by "James C. Garland" <4cx250b@miaavx1.acs.muohio.edu>
- 5) does a 1N4733 make a good AGC diode?
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 6) Neet info on Peerless Modulation Transformer
by "Andrew E. Howard, Sr." <sweetbay@compuserve.com>
- 7) Re: Transcontinental Chirp Tonight!
by Bruce Muscolino <w6toy@erols.com>
- 8) Re: does a 1N4733 make a good AGC diode?
by "Mike B. Feher" <n4fs@monmouth.com>
- 9) Re: does a 1N4733 make a good AGC diode?
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 10) Re: does a 1N4733 make a good AGC diode?
by Scott Robinson <spr@earthlink.net>
- 11) Re: does a 1N4733 make a good AGC diode?
by Arden Allen <gumbear@pacbell.net>
- 12) Re: Transcontinental Chirp Tonight!
by "Bob Duckworth" <wb4mnf@atl.org>
- 13) BC-312/342 Panel Refinishing Needed
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 14) Blank rack panel
by Avery Comarow <acomarow@usnews.com>
- 15) Dues
by "Jim Berry" <basalop@gte.net>
- 16) WTB: TMC A-1397 PS
by JONWEINER@aol.com
- 17) ADMINISTRIVIA: A Few Does and Donts
by listown@nanniandjack.com (Mail List Owner)
- 18) art-13 trouble

by Mike Sullivan <michaels@kc2kj.k2nesoft.com>
19) NAVAER 08-5Q-6
by "ROBERT W. DOWNS" <RWDwns_WA5CAB@compuserve.com>
20) [Fwd: art-13 trouble]
by Mike Sullivan <michaels@kc2kj.k2nesoft.com>
21) BC-348"0" Questions
by Dave Hollander <davidh@getnet.com>
22) WTB BC312, BC342 or BC348
by "Arthur I. Larky" <ail0@lehigh.edu>
23) Re: [Fwd: art-13 trouble]
by Mike Sullivan <michaels@kc2kj.k2nesoft.com>

Message-ID: <3A97BB4F.43169C54@erols.com>
Date: Sat, 24 Feb 2001 08:46:55 -0500
From: Bruce Muscolino <w6toy@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Transcontinental Chirp Tonight!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chris,

I wonder how you get past the revised laws that pertain to harmonic attenuation for these old transmitters? Just curious, I have a Command Transmitter I might like to put on, but I am sure it does not meet current standards.

73

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Sat, 24 Feb 2001 10:32:02 -0500
Subject: Re: Transcontinental Chirp Tonight!
Message-ID: <20010224.103203.-3924795.0.wb3ctc@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: michael m oxenreider <wb3ctc@juno.com>

Bruce,
Don't worry about it. Ham gear isn't type rated.
Have fun.

73

Mike

On Sat, 24 Feb 2001 08:46:55 -0500 Bruce Muscolino <w6toy@erols.com>
writes:
> Chris,
>
> I wonder how you get past the revised laws that pertain to harmonic
> attenuation for these old transmitters? Just curious, I have a
> Command
> Transmitter I might like to put on, but I am sure it does not meet
> current standards.
>
> 73
>

Date: Sat, 24 Feb 2001 15:25:49 -0500
From: "ROBERT W. DOWNS" <RWDDowns_WA5CAB@compuserve.com>
Subject: FS: LP-5 POWER SUPPLY
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200102241526_MC2-C6B1-25C5@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Groups,

Several months ago, someone on one of these lists reported having a Navy
LP-5 oscillator. I happened to have the matching CFD-20080-A power supply,
so I brought it home and boxed it up thinking that he would probably want=

it. Never heard from him, but the box is still sitting in the dining room
and is starting to draw "the look" from my wife. If anyone can use it,
price is \$35.00 plus shipping. Condition is excellent. Otherwise it
disappears back into the storage building.

Robert Downs
<RWDDowns_WA5CAB@compuserve.com>
Houston

Message-Id: <4.2.0.58.20010224152923.00a94730@miavx1.muohio.edu>
Date: Sat, 24 Feb 2001 15:36:55 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "James C. Garland" <4cx250b@miavx1.acs.muohio.edu>

Subject: "Ultimate Transmatch"

Cc: "Redman, Dan" <K8DR@columbus.rr.com>, k8ra@aol.com, W9ZR@muohio.edu,
<w8cqjeff@ameritech.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

I'm sure many of you on the List are using the late Lew McCoy's "ultimate transmatch," an enormously popular design for more than thirty years. I'm in the process of upgrading my homebrewed version of McCoy's tuner, but since it has served me well for 25 years, I decided to make an "in memoriam" web page for it before I parted it out. If you're interested, you can check it out at

<http://www.muohio.edu/~4cx250b/web/tuner.htm>

73,

Jim Garland W8ZR

Date: Sat, 24 Feb 2001 13:37:05 -0700 (MST)

From: Richard Loken <richardlo@devax.admin.athabascau.ca>

Subject: does a 1N4733 make a good AGC diode?

To: Old Tube Radios <boatanchors@theporch.com>

Message-id:

<Pine.PMDF.3.95.1010224132339.541145173A-1000000@devax.admin.athabascau.ca>

MIME-version: 1.0

Content-type: TEXT/PLAIN; charset=US-ASCII

I hardly think so!

I have been trying to bring this Heath GR-54 to life and I had an astronomical electrical noise level on the broadcast band, I have not used it with an antenna attached so the BCB is what I get to listen to. I am in a basement with poor AM reception and my workshop has four fluorescent light fixtures in it so I really didn't think too hard about the electrical noise but I did feel that it was excessive. The noise increased as I cranked up the RF gain and it didn't change if I shut off the AGC so I thought it came from outside the radio.

I took the AGC diodes out of the circuit and all the noise went away. The is going on here I asked. I checked the resistors in that part of the AGC and they are all right on, in spite of being 30 year old carbon comps, there are no paper capacitors and the ceramic capacitors all seemed okay so I measured the two ordinary looking black AGC diodes and they both measured okay but they did not measure the same so I pulled them out of the circuit and looked at them. One was a germanium signal diode and the other was a 1N4733 5V zener. I didn't have any germanium signal diodes so I put in a pair of

1N914's and radio sound pretty quiet and the AGC actually seems to work now.

Like I said, the problem with fixing a Heathkit is you don't know if the darn thing ever worked right.

Should go hunting for some germanium diodes?

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Date: Sat, 24 Feb 2001 15:48:08 -0500
From: "Andrew E. Howard, Sr." <sweetbay@compuserve.com>
Subject: Neet info on Peerless Modulation Transformer
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200102241548_MC2-C6B6-A37A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Hi Everyone,

I picked up a transformer today at the Dalton, GA hamfest. It is a Peerlessx P5157-T. Supposed to be a modulation transformer but I can find= nothing on it in my literataure.

Can anyone furnish specs? I would really appreciate any help.

Regards,

Andy, WA4KCY

~~~~~  
Andrew E. Howard, Sr., WA4KCY  
133 Cartbody Road  
Carrollton, Georgia 30116 USA  
AMI #9 - SE Regional Director  
President SE AM Radio Club  
List Owner: SAMRC Reflector  
Web Page URL - [www.wa4kcy.com](http://www.wa4kcy.com)

<><

~~~~~

Keeper of the SX-88 Owner's List

Message-ID: <3A983516.A8F6C1D2@erols.com>
Date: Sat, 24 Feb 2001 17:26:30 -0500
From: Bruce Muscolino <w6toy@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
Subject: Re: Transcontinental Chirp Tonight!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael,

While ham gear may not be type rated it does have to meet certain performance specs, and harmonic content is one of them!

I do worry.

73

Date: Sat, 24 Feb 2001 17:52:29 -0500
From: "Mike B. Feher" <n4fs@monmouth.com>
Subject: Re: does a 1N4733 make a good AGC diode?
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <002901c09eb4\$789e0e20\$20c5be18@n4fs>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Rich -

Zener diodes by themselves make pretty good noise sources. Ages ago when we wanted a flat wideband noise source we would take a biased zener and then amplify it. Some commercial noise sources were made that way. Even today, the majority of noise sources with fairly high ENRs are specially designed solid state diodes. In the early days there were temperature limited diodes for HF through VHF and essentially fluorescent type tubes for microwaves. At one time I made a very good noise source from a light bulb. But, that is another story. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell NJ, 07731

(732) 901-9193

----- Original Message -----

From: "Richard Loken" <richardlo@devax.admin.athabascau.ca>

To: "Old Tube Radios" <boatanchors@theporch.com>

Sent: Saturday, February 24, 2001 3:37 PM

Subject: does a 1N4733 make a good AGC diode?

> I hardly think so!

>

> I have been trying to bring this Heath GR-54 to life and I had an astronomical

> electrical noise level on the broadcast band, I have not used it with an

> antenna attached so the BCB is what I get to listen to. I am in a basement

> with poor AM reception and my workshop has four flourescent light fixtures

> in it so I really didn't think too hard about the electrical noise but I did

> feel that it was excessive. The noise increased as I cranked up the RF gain

> and it didn't change if I shut off the AGC so I thought it came from outside

> the radio.

>

> I took the AGC diodes out of the circuit and all the noise went away. The

> is going on here I asked. I checked the resistors in that part of the AGC

> and they are all right on, in spite of being 30 year old carbon comps, there

> are no paper capacitors and the ceramic capacitors all seemed okay so I

> measured the two ordinary looking black AGC diodes and they both measured okay

> but they did not measure the same so I pulled them out of the circuit and

> looked at them. One was a germanium signal diode and the other was a

1N4733

> 5V zener. I didn't have any germanium signal diodes so I put in a pair of

> 1N914's and radio sound pretty quiet and the AGC actually seems to work now.

>

> Like I said, the problem with fixing a Heathkit is you don't know if the

> darn thing ever worked right.

>

> Should go hunting for some germanium diodes?

> ---

> Richard Loken VE6BSV, Systems Programmer - VMS

> Athabasca University

> Athabasca, Alberta Canada

> ** richardlo@admin.athabascau.ca **
>
>

Date: Sat, 24 Feb 2001 16:40:37 -0700 (MST)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: does a 1N4733 make a good AGC diode?
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id:
<Pine.PMDF.3.95.1010224163726.541122782A-100000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Sat, 24 Feb 2001, Mike B. Feher wrote:

> Zener diodes by themselves make pretty good noise sources. Ages ago when we
> wanted a flat wideband noise source we would take a biased zener and then
> amplify it. Some commercial noise sources were made that way. Even today,

You betcha Mike. I was aware of the fact that zener diodes are very noisy
but I never had the opportunity to prove it before. It would have been
interesting to put a scope on there and see the output.

A zener. I wonder who assembled this thing and what (s)he was thinking.

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Message-Id: <v03007808b6be00699bd7@[209.179.244.178]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 24 Feb 2001 16:22:55 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: does a 1N4733 make a good AGC diode?

Richard Loken wrote:

>
>

>A zener. I wonder who assembled this thing and what (s)he was thinking.

Scott says:

I'll hazard a guess: "Damn, that diode fell off the table into the rubble on the floor. I wonder if I have another diode around here somewhere?"

Peace,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Date: Sat, 24 Feb 2001 17:59:43 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: does a 1N4733 make a good AGC diode?
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G9A00LH6ISPAU@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Bruce;

> I have been trying to bring this Heath GR-54 to life

As others have stated zeners make good noise sources but that is when they are operating in *avalanche* mode, i.e., operating in reverse breakdown with a constant voltage drop. They, like any other diode, will rectify but their capacitance is high and, depending on voltage rating, might go into avalanche mode when driven hard enough by a signal. No, zeners suck for AGC diodes. Your 1N914's are high speed switching diodes that make excellent RF rectifiers and being sillicon have low reverse bias leakage which may be important in an AGC circuit, depending on what the diodes are doing besides rectifying RF. Germaniums will work fine except for some circuits that don't like their higher reverse leakage. Also, they are much more temperature sensitive because of the high leakage current. Try swapping diodes and see if there is any difference in the way your AGC functions.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <200102250642.BAA08519@hat-trick.atl.org>
From: "Bob Duckworth" <wb4mnf@atl.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Transcontinental Chirp Tonight!
Date: Sun, 25 Feb 2001 01:42:44 -0500

I run mine through the antenna tuner. Johnson matchbox or Pi net.

- 1) I pretune old stuff into a dummy load and record the settings for 50 Ohm
- 2) I have a chart for the antenna match unit so there's only a little tweak required when changing rigs.

I've done this since 60's

-bob

| From: Bruce Muscolino <w6toy@erols.com>
<snip header>
|
| Chris,
|
| I wonder how you get past the revised laws that pertain to harmonic
| attenuation for these old transmitters? Just curious, I have a Command
| Transmitter I might like to put on, but I am sure it does not meet
| current standards.
|
| 73
|

Date: Sun, 25 Feb 2001 08:53:02 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: BC-312/342 Panel Refinishing Needed
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200102250853_MC2-C6BF-4BD4@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Groups,

Does anyone out there have the capability and want to take on the refinishing of several panels for BC-312 family receivers? I have several
1
that could be done together, and from list posts and/or private correspondence, I think that I know of several more that might be interested. One resource that another list member was trying to develop went away when the guy decided to retire.

Likewise, TCS receiver, transmitter, remote and antenna loading coil front panels.

Robert Downs
<RWDowns_WA5CAB@compuserve.com>
Houston

Message-Id: <4.2.2.20010225091409.00a9b330@ntpop.usnews.com>
Date: Sun, 25 Feb 2001 09:16:41 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: Blank rack panel
Cc: collins@listserv.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Anybody need a blank relay rack panel, 7 inches, painted that computer putty color?

\$10 includes shipping.

73, Avery W3AVE

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Dues
Date: Sun, 25 Feb 2001 08:19:07 -0800
Message-ID: <000001c09f46\$add94b80\$bb000f3f@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Went and lost the message of my status. Was going to pay you for back dues. I no longer know my status. Sorry for the SNAFU.

73 Jim K7SLI

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.231 / Virus Database: 112 - Release Date: 2/12/2001

From: JONWEINER@aol.com
Message-ID: <d2.2e00b8f.27caa2f3@aol.com>
Date: Sun, 25 Feb 2001 13:03:31 EST
Subject: WTB: TMC A-1397 PS
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I'm looking for a TMC model A-1397 power supply. Used with the model SBE-2 1 watt exciter.

Jon, K1VVC

Message-Id: <200102251915.f1PJF0bo029106@osr506.nanniandjack.com>
From: listtown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: A Few Does and Donts
Date: Sun, 25 Feb 2001 11:15:00 -0800 (PST)

Gang-

Here are the real basics of how to keep me happy, the list noise-free, and everyone able to enjoy BoatAnchors... Simple, easy, workable...

Do not send SPAM-type e-mail messages to the list.

Do not send attachments (attached files) of *ANY* sort to the list. This includes HTML shortcuts, v-cards, GEDCOM files, zipped files, and *ANY* other type of attachment.

Do not EVER forward virus warnings (which are 99%hoaxes) or send chain letters to the list.

Do not use HTML or RTF (rich text format) in messages sent to the list.

DO keep e-mail messages to the list on topic and appropriate.

Do not post commercial messages.

Please refrain from posting "Ebay" type auction notices. Refrain from "seen on EBAY" posts...

DO be polite.

Do not flame other members of the list.

DO be considerate of the list members and list resources.

DO have fun!

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -
listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Sun Feb 25 11:15:00 PST 2001

Message-ID: <3A998C72.527560D@kc2kj.k2nesoft.com>
Date: Sun, 25 Feb 2001 17:51:30 -0500
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: art-13 trouble
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

I bow to the list and report trouble.

I have an old ART-13 and have carefully gathered 28vdc supply, a HV and LV supply, connector, etc. Have started bring up the rig with filament voltage only (pins 5 and 6). The supply goes into over load and I find that if I remove the 813 the supply outputs but the remaining strings do not light.

Any ideas o wise boatanchore nuts?

Mike
kc2kj

Date: Sun, 25 Feb 2001 18:42:49 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: NAVAER 08-5Q-6
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200102251842_MC2-C6CF-7390@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Group,

Does anyone else hold NAVAER 08-5Q-6, Handbook of Maintenance Instructions for Model ATC Aircraft Radio Equipment, dated 01 February 1944? Mine is missing the front and back covers and pages 341 on (which so far as I know is the Index from "T" on). I'd like to get copies to bring mine up to spec.

Robert Downs
<RWDowns_WA5CAB@compuserve.com>
Houston

Message-ID: <3A99A6C7.B5C3E019@kc2kj.k2nesoft.com>
Date: Sun, 25 Feb 2001 19:43:51 -0500
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: [Fwd: art-13 trouble]
Content-Type: multipart/mixed;
boundary="-----A48DD6EEC18101BA61F99C61"

This is a multi-part message in MIME format.

-----A48DD6EEC18101BA61F99C61
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Yes, I have a manual. More data. Got filaments(other than 813 string) once I connected pin 4 (found independently!) and the autotune started working, in fits. Found a spot where Dynamotor quit (channel 2) and filaments light! Now have stepped a few back and after fiddling I now have ps overload again.

Argh!!

Mike
kc2kj

-----A48DD6EEC18101BA61F99C61
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

X-Mozilla-Status2: 00000000
Message-ID: <3A99A5AD.EE71FCAA@kc2kj.k2nesoft.com>
Date: Sun, 25 Feb 2001 19:39:09 -0500
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
Reply-To: michaels@kc2kj.k2nesoft.com
X-Mailer: Mozilla 4.61 (Macintosh; I; PPC)
X-Accept-Language: en
MIME-Version: 1.0
To: Michael Hanz <AAFRadio@erols.com>
Subject: Re: art-13 trouble
References: <3A998C72.527560D@kc2kj.k2nesoft.com> <3A9996A5.7F4794C6@erols.com>
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Yes, I have a manual. More data. Got filaments(other than 813 string) once I connected pin 4 (found independently!) and the autotune started working, in fits. Found a spot where Dynamotor quit (channel 2) and filaments light! Now have stepped a few back and after fiddling I now have ps overload again. Argh!!

Mike
kc2kj

Michael Hanz wrote:

> Mike Sullivan wrote:
> >
> > I have an old ART-13 and have carfully gathered 28vdc supply, a HV and
> > LV supply, connector, etc. Have started bring up the rig with filament
> > voltage only (pins 5 and 6). The supply goes into over load and I find
> > that if I remove the 813 the supply outputs but the remaining strings do
> > not light.
>
> What kind of 28V supply? The high freq switcher and current limiter
> types do not appreciate big heaters (nor dynamotors, for that matter.)
> The tubes other than the 813 and 811's won't light until you jumper pin
> 6 to pin 4. Do you have a schematic or manual?
>
> 73,
> Mike Hanz KC4TOS

-----A48DD6EEC18101BA61F99C61--

Message-ID: <3A99AC22.EFDE88B7@getnet.com>
Date: Mon, 26 Feb 2001 01:06:41 +0000

From: Dave Hollander <davidh@getnet.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BC-348"0" Questions
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Came into several receivers today including a beautiful BC-3400, not "Q" built by RCA. The inside is even cleaner than the outside! Other than my RAO-7 and playing with ARC-5 receivers in the 1960's when I was a kid, I know nothing about military anchors or BC-348's

The radio has an AC supply built in which although done very nicely I assume is not original. The radio plays but sensitivity seems down and seems very lossy when the Xtal filter is switched in..

Questions I have (I don't have a schematic yet)

Where do you hook a speaker?

There are a couple of "VT" type tubes inside. What are the equivalent civilian tubes?

Where can I get a schematic?

Anything strange to look for?

Thanks and 73,

Dave N7RK

Message-ID: <3A99B492.C9A0777D@lehigh.edu>
Date: Sun, 25 Feb 2001 20:42:42 -0500
From: "Arthur I. Larky" <ail0@lehigh.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB BC312, BC342 or BC348
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nostalgia for the days of my youth when I didn't have the sense to hang on to a good thing brings me to this point. Anyone care to sell one of these?

Art K3HBA

Message-ID: <3A99CAF2.58B2AA50@kc2kj.k2nesoft.com>
Date: Sun, 25 Feb 2001 22:18:09 -0500
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [Fwd: art-13 trouble]
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

I do not have a dynamotor. I did short 4 and 6 and with 813 removed got some action of autotune and found a spot (by luck because the ps can't really hack it) that the autotune rested. At that point (recall 813 removed) filaments of the rest of art-13 came on and battery meter showed correct. Placed 813 back in, short (could it be shorted 1.4 ohms measured). Took 813 out, ps normal, filaments of rest of art-13 normal. then start playing and moved autotune and now nothing works. Egad!

Mike
kc2kj

Michael Hanz wrote:

> Heh, heh, okay, I need to step back and ask some other questions, then.
> I didn't realize you had a dynamotor. If so, then why did you need to
> jumper 4 and 6? That's done inside the dyno. I'm confused. There is a
> set of conditions where the dyno is off but the tubes are lit - it's
> when you are in voice mode, using the microphone switch to transmit. It
> only occurs, IIRC, when you have come to rest on the channel selected.
> There are some other puzzling conditions with settings of the mode and
> calibrate switches, so hang in there. The filament wiring of the 813
> and 811s is pretty simple, so I don't know what to tell you there - a
> straight ohmmeter wringout should only take five minutes. Check for
> grounds in inappropriate places. More data, please... :-)
>
> Mike
>
> Mike Sullivan wrote:
> >
> > Yes, I have a manual. More data. Got filaments(other than 813 string)
> > once I
> > connected pin 4 (found independently!) and the autotune started working,
> > in
> > fits. Found a spot where Dynamotor quit (channel 2) and filaments light!
> > Now
> > have stepped a few back and after fiddling I now have ps overload again.

> >
> > Argh!!
> >
> > Mike
> > kc2kj
> >
> > -----
> >
> > Subject: Re: art-13 trouble
> > Date: Sun, 25 Feb 2001 19:39:09 -0500
> > From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
> > To: Michael Hanz <AAFRadio@erols.com>
> > References: <3A998C72.527560D@kc2kj.k2nesoft.com>
> > <3A9996A5.7F4794C6@erols.com>
> >
> > Yes, I have a manual. More data. Got filaments(other than 813 string) once I
> > connected pin 4 (found independently!) and the autotune started working, in
> > fits. Found a spot where Dynamotor quit (channel 2) and filaments light! Now
> > have stepped a few back and after fiddling I now have ps overload again.
> > Argh!!
> >
> > Mike
> > kc2kj
> >
> > Michael Hanz wrote:
> >
> > > Mike Sullivan wrote:
> > > >
> > > > I have an old ART-13 and have carfully gathered 28vdc supply, a HV and
> > > > LV supply, connector, etc. Have started bring up the rig with filament
> > > > voltage only (pins 5 and 6). The supply goes into over load and I find
> > > > that if I remove the 813 the supply outputs but the remaining strings do
> > > > not light.
> > >
> > > What kind of 28V supply? The high freq switcher and current limiter
> > > types do not appreciate big heaters (nor dynamotors, for that matter.)
> > > The tubes other than the 813 and 811's won't light until you jumper pin
> > > 6 to pin 4. Do you have a schematic or manual?
> > >
> > > 73,
> > > Mike Hanz KC4TOS

End of BOATANCHORS Digest 3114
